

Supplemental Figure 5. Cell type specific gene expression analysis. (A) Heatmaps of the 500 top expressed genes and (B) Volcano plot illustrating differential gene expression analysis in epithelial cells or fibroblasts sorted from KC (cont) and KC;Foxp3^{DTR} (Treg) pancreata received 3-week DT treatment following 8 weeks post pancreatitis induction. (C) qRT-PCR for *Cxcr4*, *Pdcd1lg2* and *Il1 β* expression in pancreatic epithelial cells or fibroblasts derived from KC and KC;Foxp3^{DTR} mice received 3 weeks of DT treatment following 8 weeks post caerulein. Data represent mean \pm SEM, n=4-9 mice/cohort. The statistical difference was determined by two-tailed t-tests. (D) UMAP plots of single cell RNA sequencing analysis with mouse orthotopic pancreatic cancer samples or PanIN lesions, color-coded by their associated cluster (left) or color-coded for expression (gray to red) of *Il1a* and *Il1r1*. (E) Relative expression levels of *Il1a* and *Il1r1* in epithelial and fibroblasts sorted from KC and KC;Foxp3^{DTR} pancreata. Data represent mean \pm SEM, n=3.